



College of  
Liberal Arts & Sciences

数学系

Department of  
Mathematics

CU-ICSO@UIUC

湫亦唯



**I** ILLINOIS





# Dept. of Mathematics

- Fundamental
- #19 in U.S. News (Graduate)
- 专业
  - 数学
  - 精算
  - Mathematics & Computer Science
- Iconic Altgeld Hall (见左右)



Posted in r/UIUC by u/9bombs



# Programs of Study

- Mathematics
  - Applied Mathematics 应用数学
  - Graduate Preparatory 理论数学
  - Operations Research 运筹学
  - Teaching of Mathematics 数学教学
- Actuarial Science
- Mathematics & Computer Science



# Courses to Take

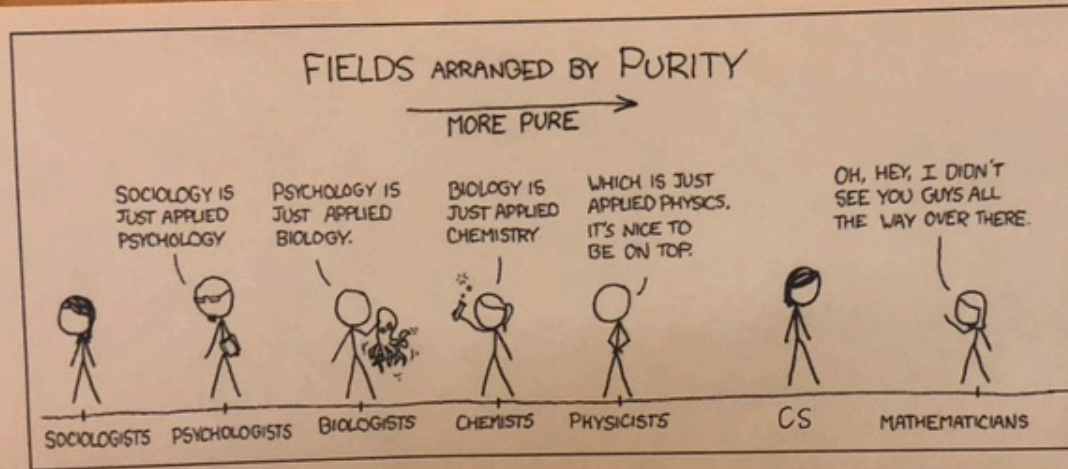
- 基础证明：
  - MATH 347 Fundamental Mathematics
- 微积分 & 分析：
  - MATH 220(221), 231, 241 (Calc I-III), MATH 444/447/424 Real Analysis
- 代数：
  - MATH 417/427 Abstract Algebra
- 线性代数：
  - MATH 416
- 概率/统计：
  - Math 461/STAT 400
- 选修（数论，几何，微分方程）



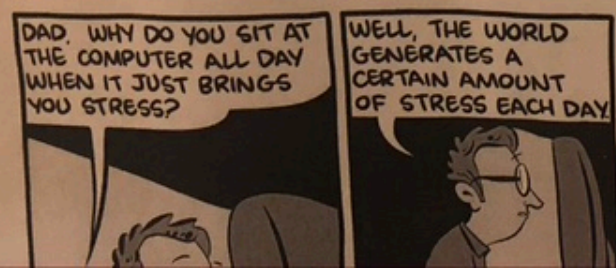
# Honor Courses

- Entry level honor courses:
  - MATH 241, MATH 347, MATH 416 ( 课程不独立, 设有Honor Section )
- Honor Sequence:
  - MATH 424 Honors Real Analysis
  - MATH 425 Honors Complex Analysis
  - MATH 427 Honors Abstract Algebra
  - MATH 428 Honors Topics in Mathematics
- Not restricted to major





Category Theorists



# Illinois Geometry Lab

- 每个学期招收学生参加研究项目，从简单的到难的都有
- 网址：
  - <https://math.illinois.edu/research/igl>
  - <https://wiki.illinois.edu/wiki/display/IGL/Undergraduate>





# 转专业

- Math
  - MATH 241和347 , GPA 2.50 以上
  - 与数学Advising联系
- Mathematics & Computer Science
  - MATH 241 ( 220 231 ) \* 与 MATH 347 ( 231 ) 得到 B-及以上 , 总GPA3.67及以上
  - 除CS 125之外在另外两门CS课程中得到A-及以上的成绩
    - 一般是CS173+CS225 ( CS 173 )
  - 参加CS+X Info Session
  - 不保证转系成功

\* : 括号内是prerequisite

